

<p>Haber, R. G., Nikuni, Z. and others. THE STRUCTURE OF ALPHA AND BETA SORI- GENINE. [1960] 13p. (2 figs. 2 tables 5 diagrs. omitted) 34 refs. Order from SLA m152.40, ph53.30      61-10307  Trans. of Helv[etical] Chim[ica] Acta (Switzerland) 1956, v. 39 [no. 6] p. 1654-1663.</p> <p>148,500</p> <p>(Chemistry--Organic, TT, v. 5, no. 7)</p>	<p>61-10307</p> <p>1. Cyclic compounds-- Molecular structure 2. Title: Sorigenine I. Haber, R. G. II. Nikuni, Z.</p> <p>Office of Technical Services</p>
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Bonnet, J. and Neukomm, S. CHEMICAL COMPOSITION OF TOBACCO SMOKE. II. THE ALKALINE FRACTION. [1962] 11p. Order from K-H \$13.75                    K-H 6124-a  Trans. of Helv[etica] Chim[ica] Acta (Switzerland) 1957, v. 40 [no. 1] p. 113-118.	62-17832  I. Bonnet, J. II. Neukomm, S. III. Title: Alkaline ... IV. K-H-6124-a V. Kresge-Hooker Science Library Associates, Detroit, Mich.
DESCRIPTORS: Chemical analysis, *Tobacco, *Smokes, Fractionization, Alkyl radicals.	
(Chemistry--Analytical, TT, v. 8, no. 5)	
Office of Technical Services	

Rennet and Its Effect on Milk Casein. XI. The Amino end  
Groups of  $\alpha$ -Casein Before and After Renneting, by  
H. Wissman, Hs. Nitschmann.

GERMAN, per, Helvetica Chim Acta, Vol XI, 1957,  
pp 356-363.

NRC/C-3855

Sci  
Jan 63

Bonnet, J. and Neukomm, S.  
CHEMICAL COMPOSITION OF TOBACCO SMOKE.  
III. THE ACID FRACTION AND URETHAN. [1962]  
8p.  
Order from K-H \$10.00                    K-H 6456-a  
Trans. of Helvetica Chimica Acta (Switzerland) 1957,  
v. 40, no. 3, p. 717-721.  
  
DESCRIPTORS: \*Tobacco, \*Smokes, Chemical analysis,  
Acids, \*Urethanes.

62-17834

I. Bonnet, J.  
II. Neukomm, S.  
III. K-H-6456-a  
IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Analytical, TT, v. 8, no. 5)

Office of Technical Services

Will Toxins and Antibiotics. 20. Induced Protective Substances in Orchids, by A. Boller, et al.

GERMAN, per, Helvetica Chimica Acta, Vol XL,  
No 4, 1957, pp 1062-1066.

CSIRO Tr 4378

Sci - Biol

156,532

Jun 61

Recording of Refractive Index Gradient Curves  
(dn/x-Diagrams), by Means of a Novel Phase  
Plate, by E. Wiedemann.

GERMAN, per, Helvetica Chimica Acta,  
Vol XLI, No 7, 1957, pp 2074-2078.

CSIRO 3873

Sci - Phys  
Aug 62

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Focusing Ion Exchange. IV. Theory of the Focusing Effect, by ~~Ernst Schumacher~~ Ernst Schumacher, 35 pp.

GERMAN, per, Helv Chim Acta, Vol L, 1957,  
pp 2322-2340.

ABC UCRL-Trans-627(L)

Sci - Chem  
May 61

150,382

Focussing Ion Exchange I. Principle and Simple Theory, by Ernst Schumacher,

GERMAN, per, Helv Chim Acta, Vol XL, 1957,  
pp 221-228.

ABC UCRL-Trans-613(L)

Sci - Phys  
May 61

150, 884

Focusing Ion Exchange. II. Rapid Qualitative Analysis of Cations, by Ernst Schumacher, Hans Jakob Streiff, 19 pp.

GERMAN, per, Helv Chim Acta, Vol XL, 1957,  
pp 228-233.

AEC UCRL-Trans-615(L)

Sci - Chem  
Appl Sci

142 021

Focusing Ion Exchange. II. Rapid Separation  
of Radioactive Indicators, by Ernst Schumacher,  
Hans Jakob Streiff, 7 pp.

GERMAN, per, Helv Chim Acta, Vol XL, 1957,  
pp 234-236.

ABC UCRL-Trans-616(L)

Sci - Chem  
Apr 61

149 022

b, 7-Phenanthroline Quinone Derivatives  
with Amebicidal Action, by P. Schmidt,  
J. Druey, 6 pp.

EGERMANN, per, Helvetica Chim Acta,  
Vol XL, No 2, 1957, pp 350-355.

SLA 60-18034  
114 7-3P-60

199, 674

Sci  
Jun 62

Vol 4, No 12

<p>Wissman, H. and Nitschmann, H. RENNET AND ITS EFFECT ON MILK CASEIN. XI. THE AMINO END GROUPS OF <math>\alpha</math>-CASEIN BEFORE AND AFTER RENNETING (Das Lab und Sein Wirkung auf das Casein der Milch. XI. Die Amino- seitigen Endgruppen des <math>\alpha</math>-Caseins vor und nach der Labung) tr. by D. A. Sinclair. 1961, 13p. 21 refs. NRCC Technical Trans. 987. Order from NRCC \$1.00 NRCC C-3855</p> <p>Trans. of Helvetica Chimica Acta (Switzerland) 1957, v. 40, p. 356-363.</p> <p>DESCRIPTORS: Milk, *Rennet, Enzymes, Casein, Lysines, Nucleic acids, Hydrolases, *Arginine, *Nitrophenols, Amino acids.</p> <p>(Biological Sciences--Biochemistry, TT, v. 7, no. 10)</p>	<p>62-12450</p> <p>I. Wissman, H. II. Nitschmann, H. III. Title: Amino ... IV. NRCC TT-987 V. NRCC C-3855 VI. National Research Council of Canada</p> <p>Office of Technical Services</p>
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Experiments on Biological Degradation III(1-2).  
Synthesis of Some Glutaric Acid Amides(3), by  
K. Hoffmann, J. Kerble and H. J. Schmid, 13 pp.

GERMAN, per, Helv Chim Acta, Vol XL, No 47, 1957,  
pp 387-394.

SIA 57-2980

Sci

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Mixed Anhydrides from Carbobenzoxymino Acids  
and Chlorofromic Acid for the Esterification  
of Aromatic and Aliphatic Hydroxyl Compounds,  
by M. Brenner, J. P. Zimmermann.

GERMAN, per, Helvetica Chimica Acta, Vol 40,  
No 3, 1957, pp 604-610.  
NTC-69-16122-07C

Sci-Chem  
Feb 70

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Synthesis of a Highly Active Hypertensin II-Amide  
(L-Asparagyl-L-Arginyl-L-Valyl-L-tyrosyl-L-Isoleucyl-L-Histidyl-L-Prolyl-L-Phenylalanine, by W. Rittel,  
B. Iseling, et al, 22 pp.

GERMAN, per, Helv Chim Acta, Vol XL, No 5, 1957,  
pp 614-624.

SLA 59-10449

Sci - Med  
Sep 59  
Vol 2, No 1

97, 236

A Flow Apparatus With Glass Electrodes (On the  
Acidity Constant of True Carbonic Acid and Its  
Rate of Dehydration), by Jerg Meier and G.  
Schwarzenbach, 15 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XL,  
Fasciculus IV, No 105, 1957, pp. 907-917.  
JPRS 41613

EE-Switzerland  
Sci.Phys  
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328,768

A Flow Apparatus Equipped With Glass Electrodes  
(ON the Acidity Constant of True Carbonic Acid  
and Its Speed of Dehydration,) by Juerg Meier,  
G. Schwarzenbach.

GERMAN, per, Helvetica Chimica Acta, Vol XL,  
Fasciculus IV, No 105, 1957, pp 907-917.  
\*JERS/DC 15233/SPECIAL

Sci-Chem  
May 67

On Focussing Ion Exchange, by Ernst Schumacher,

GERMAN, per, Helvetica Chimica Acta, Vol XL,  
pp 221-223, 228-233, 234-236, 252-254, 324-343,  
1572-1581, 1771-1783.

\*AEC

Sci - Chem  
12 Oct 60

List 44

<p>Jacertschi, P. and Kuhn, W. VAPOR PRESSURE OF ISOTOPIC COMPOUNDS (INFRARED) PORTION OF THE DISPERSION INTERACTION FOR THE HIGHER VOLATILITY OF THE HEAVY MOLECULAR SPECIES. [1960] 7p. 9 refs. Order from SLA mif\$1.80, ph\$1.50 60-18052  Partial trans. (Introduction and summary) of Helvetica Chimica Acta (Switzerland) 1957, v. 40 [no. 4] p. 1084-[1103].</p> <p>AEG DEG-Lnf-Sch 157</p> <p>(Chemistry--Physical, TT, v. 5, no. 4)</p>	<p>60-18052 1. Vapor pressure-- Measurement 2. Isotopes--Separation 3. Fractionation--Analysis I. Jacertschi, P. II. Kuhn, W.</p> <p>143,256</p> <p>Office of Technical Services</p>	
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Synthesis of Sphingosine and Its Stereoisomers,  
by S. A. Grob, F. Gadicat.

GERMANY, D.R., Salvittica Chemica Acta, Vol. XI.,  
No 5, 1957, pp 1145-1157.

MM 3-17-63

Sci - ~~REVIEWER~~ Chem

Jul 63

232,622

Ultra-Micro-Determination of the Total Nitrogen in Polypeptides, and Amino-Acids, Isolated From Chromatograms or Electrophorograms on Paper, by P. Bandet, E. Cherbilia.

GERMAN, per, Helvetica Chimica Acta,  
Vol XL, No 5, 1957, pp 1612-1620.

CSIRO 4319

190,361

Sci - Chem  
Apr 62

<p>Eugster, C. H. and Karrer, P. TARAXANTHIN AND TARACHROM AS WELL AS OBSERVATIONS ABOUT STEREOISOMERIC TROLLI- XANTHINS, 6, 1962, 15p. Order from K-H 518.75 K-H 6287-b  Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) [1957] v. 40, no. 6, p. 69 and 79.  DESCRIPTORS: *Stereochemistry, *Plant pigments, Pigments, Carotenoids.</p> <p>(Biological Sciences, TT, v. 7, no. 12)</p>	<p>62-12755</p> <p>1. Title: Taraxanthin 2. Title: Tarachrom 3. Title: Trollixanthins I. Eugster, C. H. II. Karrer, P. III. K-H-6287-b IV. Kresge-Hooker Science Library Associates, Detroit, Mich.</p> <p>Office of Technical Services</p>
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Drug Studies in the Heterocyclic Series.  
Polymethylene-bis-syndnones and polymethylene-  
bis-hydrazines, by H. U. Denenik, J. Druey.

GERMAN, per, Helvetica Chimica Acta, Vol XL,  
1957, pp 918-932.

GB/2

Sci-Chem  
May 63

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229,899

On Focusing on Exchange. IV. Contribution  
to the Theory of the Focusing Effect, by  
Ernst Schumacher.

GERMAN, per, Helv. Chim Acta, Vol 40,  
No 7, 1957, pp 2322-2340.  
REF NIH 10-10-65

EE-Germany  
Sci/BGM  
Mar 66

296, 294

<p>Meilbronner, E., Kovits, E., and Simon. PROGRAM DIRECTED GAS CHROMATOGRAPH FOR PREPARATIVE SEPARATION OF MIXTURES OF ORGANIC COMBINATIONS. [1960] [14 p. 4 refs. Order from SLA \$1.60 61-10662</p> <p>Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) 1957 [v. 40, no. 7, p. 2411-2420].</p> <p>DESCRIPTORS: *Chromatographic analysis, Instrumentation, Design, *Mixtures, Separation, Organic compounds.</p> <p>A fully automatic gas chromatography column for preparative purposes is described. The apparatus can be programmed to carry out the following sequence of operations: (1) feeding of a sample of pre-selected size from a batch of mixture into the column; (2) sepa- ration of the sample into its components; (3) feeding of the components into their respective cooling traps (Chemistry--Analytical, TT, v. 6, no. 9) (over)</p>	<p>61-10662</p> <p>I. Title: Gas chromatograph I. Meilbronner, E. II. Kovits, E. III. Simon</p> <p>185090</p> <p>Office of Technical Services</p>
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New 16 Alpha-Hydroxy Steroids From Human Urine and  
From Hog Adrenals; Isolation, Constitution, and  
Synthesis, by R. Neher, Ch. Meystre, A. Wettstein,  
30 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XIII,  
No 6, 1958, pp 132-152.

SIA 60-14129

Sci

145, 107

OTS, Vol III, No 8

Apr 61

program-Controlled Gas Chromatography for Preparative Separation of Mixtures of Organic Compounds, Parts I, and II, by E. Heilbrouner, et al.

GERMAN, par., Anal Chim Acta, Vol. XL, No 247, 1957;  
pp 2410-2420; Vol XII, No 32, 1958, pp 275-288.

ATB 265-03

Sci - Chem  
Nov 59

100,374

Program-Controlled Gas Chromatography for Preparative Separation of Mixtures of Organic Compounds, Parts I, and II, by E. Heilbronner, et al.

GERMAN, part, Helv Chim Acta, Vol XL, No 247, 1957,  
pp 2410-2420; Vol XLI, No 32, 1958, pp 275-288.

AT&T 265-GJ

Sci - Chem  
Nov 59

100, 374

Focusing Ion Exchange. V. Separation of Metal  
Ions, Particularly of Radioactive Indicators, by  
Proton Exchange, by E. Schumacher, E. J. Streiff,  
37 pp.

GERMAN, per, Hely Chim Acta, Vol XLI, 1958,  
pp 824-843.

AEC UCRL-Trans-617(L)

Sci - Chem  
Apr 61

149,023

Isotope Separation During Freezing of water, and  
Diffusion Coefficients of D and O<sub>18</sub> in the ice, by  
W. Kühl, M. Thoerkos, 32 pp.  
GERMAN, per. Helv Chim Acta, Vol XLI, 1958,  
pp 918-971.  
ASC-NLM-Tr-1206

Sci-Phys  
Aug 65

286,384

On the Mechanism of the Reactivation of the  
Succinate-Cytochrome c Reductase by Vitamins  
E and K, by F. J. Weber, U. Gloor, O. Wiss, 20 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLI,  
1958, pp 1038-1046.

SLA 59-15372

Sci - Med  
Dec 59  
Vol 2, No 4

102, 836

Synthesis of Highly Active Decapeptides With  
the Amino Acid Series of Val<sup>5</sup> Hypertensin I,  
by R. Schwyter, B. Iselin, H. Kappeler, B.  
Rinkler, W. Rittel, H. Zuber, 30 MP.

GERMAN, per, Helvetica Chimica Acta, Vol XLI,  
1958, pp 1273-1286.

NIH 1-37a-60

Sci - Med  
Mar 60

110, 424

The Reactivation of Succinate-Cytochrome c Reductase  
by Vitamin K<sub>1</sub>, 2-Methyl-1, 4-Naphthoquinone and  
Ubiquinone, by F. Weber, U. Gloor, O. Wiss, 11 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLI,  
1958, pp 1046-1052.

SLA 59-15371

Sci - Med  
Dec 59  
Vol 2, No 4

102,837

Synthesis of Highly Active Octapeptides With  
the Presumable Amino-Acid Series of the Still  
Unknown Hypertensin II From Cattle Serum (Val  
5-Hypertensin II and Val 5-Hypertensin II-  
asp- $\beta$ -Amide), by R. Schwyzer, B. Iselin, H.  
Kappeler, B. Riniker, W. Rittel, H. Zuber,  
17 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLI,  
1958, pp 1287-1295.

NIH 3-50-60

Sci - Med

117,347

<p>Gagnaux, P., Janjic, D., and Susz, B. P. ADDITION COMPOUNDS OF LEWIS ACIDS. VIII. IN- FRAED ABSORPTION SPECTRA OF ADDITION COM- POUNDS OF ALUMINUM BROMIDE WITH NITRO- METHANE AND PARA-SUBSTITUTED AROMATIC NITRO DERIVATIVES. 9 Dec 60, 18p. 18 refs. Order from SLA \$1.60 63-10558</p> <p>Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) 1958, v. 41, p. 1322-1332.</p> <p>DESCRIPTORS: *Complex compounds, Acids, *Spectra (Infrared), *Aluminum compounds, *Bromides, *Nitrogen compounds.</p> <p>(Chemistry--Physical, TT, v. 9, no. 11)</p>	<p>63-10558</p> <p>I. Title: Lewis acids I. Gagnaux, P. II. Janjic, D. III. Susz, B. P. IV. Title: Infrared...</p> <p>Office of Technical Services</p> 
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Focusing Ion-Exchange. VI. Apparatus for the Continuous Separation of Metal Ions (And Other Electrolytes), by Ernst Schumacher, Rene Fluher, 10 pp.

GERMAN, per, Helv Chim Acta, Vol XLI, 1958,  
pp 1572-1581.

AEC UCRL-Trans-609(L)

Sci - Phys  
Apr 61

149,020

Isolation, Constitution and Synthesis of a New Active Substance From Adrenals, by R. Neher,  
P. Desculles, et al, 56 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLI,  
1958, pp 1667-1692.

SLA 59-17054

Sci  
Jan 60  
Vol 2, No 7

104,491

Electro Focusing Ion-Exchange. VII. Quantitative  
Microanalysis of Heavy Metals and Rare Earths, by  
Ernst Schumacher, Hans Jakob Streiff, 15 pp.

GERMAN, per, Helv Chim Acta, Vol XLI, 1958,  
pp 1771-1783.

AEC UCRL-Trans-622(L)

Sci - Chem  
Jul 61

157, 427

Gas-Chromatographic Characterization of Organic Compounds. Portion I. Retention Indices of Aliphatic Halides, Alcohols, Aldehydes and Ketones, by E. Kovats, 37 pp.

GERMAN

1958; Per Helv Chim Acta, 1958, Vol XLI, No 7,  
pp 1915-1932.

SLA 59-15354

Sci  
Oct 59  
Vol 2, No 3

99874

Continuous Gas Chromatography, by W. Kuhn, A. Harten, M. Thurkauf, 22 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XII,  
No 7, 1958, pp 2135-2149,

SLA 59-15335

Sci - Chem  
Dec 59  
Vol 2, No 4

102, 804

Electromotor Behavior of Electrode Glasses.  
I. Measurements on Electrode Glasses in  
Aqueous Systems, by W. Simon, D. Wegmann,  
13 pp.

GERMAN, per, Helv Chim Acta, Vol XLI, No 7,  
1958, pp 2308-~~2322~~2322.

NIS 1-27-62

186, 391

Sci - Med

Mar 62

Electron Gas Model of Organic Dyes. - Field Effect  
as the Cause of Anomalous Intensities in Absorption  
Bands, by Hans Muhn, Walter Ritter, 44 pp.

SEISMIC, par, Helv Chim Acta, Vol XIX, 1959,  
pp 363-385.

NIE 7-11

Sci - Chemistry  
Aug 59

SIA 59-18075

93, 125

Behavior of  $\alpha$ -Phenyl- $\alpha$ -Ethyl-Glutarimide in the  
Animal Body. II. Isolation and Structural  
Clarification of the Metabolites of  $\alpha$ -Phenyl- $\alpha$ -  
Ethyl-Glutarimide, by J. Kebrle, K. Schmid, 22 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIII,  
No 2, 1959, pp 417-425.

SLA 59-15641

Sci - Chem  
Dec 59  
Vol 2, No 4

102,832

Active Salt K Transport as a Possible (and  
Probable) Individual Effect in the Urine  
Concentration in the Kidney, by W. Kuhn, A.  
Renzl, 69 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLII,  
1959, pp 628-660.

NIH 1-9a-60

Sci - Med

Mar 60

119 478

Synthesis Tests in the Emetine Series, by  
A. Brossi, M. Baumann, 28 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XLII,  
1959, pp 772-788.  
Patent Office

Sci - Chem  
Sept 64

267,053

Biological Behavior of a Psychoactive, Phenyl-Piperidyl-Acetic Acid-Methyl Ester, by R. Bernhard,  
U. Buchler, W. H. Nickel, 11 pg.

CHIMIA, per, Helvetica Chim Acta, Vol LXIII, No 3,  
1959, pp 802-807.

SIA 59-15951

Sci  
Dec 59  
Vol 2, No 5

103,529

A New Method of Determining Oxygen Isotopes in  
Organic Compounds, by H. Dahn, H. Moll, et al, 20 pp.

GERMAN, per Helvetica Chimica Acta, Vol XLII,  
1959, pp 1125-~~K~~-1236.

ACSL I-8139  
ID 2216558

Sci - Chem  
M Apr 63

726, 526

Deuel, H., Wartmann, J. and others.  
ORGANIC DERIVATIVES OF SILICA GEL WITH  
SI-O-C BONDS, I. [1961] 12p. 40 refs.  
Order from SLA m(\$2.40, ph\$3.30 61-10918

Trans. of Helvetica Chimica Acta (Switzerland)  
1959, v. 42 [no. 4] p. 1160-1165.

The silanol groups of a silica preparation were determined by ignition and by reaction with  $\text{LiAlH}_4$  (244 meq.  $\text{SiOH}$  per 100g silica). Part of these groups reacted with organic reagents forming organic derivatives of silica with Si-O-C bonds. Acetyl and benzoyl derivatives of silica were prepared which were organophilic and rapidly hydrolyzable by water. Silica chlorides were prepared by treatment of silica with  $\text{SOCl}_2$  (50 to 80 meq. =  $\text{SiCl}$  per 100g silica) or with  $\text{SiCl}_4$  (-Si-O-SiCl<sub>3</sub> groups). Alkoxy derivatives of silica were prepared by treatment of silica chlorides with different alcohols. These derivatives were organophilic and part of them hydrophobic. The sta- (Chemistry--Organic, TT, v. 5, no. 12) (over)

61-10918

1. Silicon compounds  
(Organic)--Synthesis
2. Silica gels--Chemical reactions

1. Deuel, H.
- II. Wartmann, J.

148721

Office of Technical Services

Wartmann, J. and Deuel, H.  
ORGANIC DERIVATIVES OF SILICA GEL WITH  
SI-C BONDS, II. [1961] 11p. 38 refs.  
Order from SLA m1\$2.40, ph\$3.30 61-10917

Trans. of *Helvetica Chimica Acta* (Switzerland) 1959,  
v. 42, p. 1166-1170.

Organic derivatives of silica were prepared by treating silica with triphenyl- and trimethylchlorosilane or with hexamethyldisilazane. The trimethylsiloxy derivatives are extremely hydrophobic. Butyl derivatives were prepared by treatment of silica chloride with butyl magnesium bromide or with butyl lithium, and phenyl derivatives were prepared with benzene in the presence of aluminum chloride or with phenyl lithium. Phenyl derivatives of silica prepared with phenyl lithium were degraded by sodium hydroxide. The toluene-soluble degradation products were fractionated on an aluminum oxide column. One degradation product was identified as  $(C_6H_5SiO_1)_5x$ . The (Chemistry-Organic, TT, v. 5, no. 12) (over)

61-10917

1. Silicon compounds  
(Organic)- Synthesis
  2. Silica gels - Chemical  
reactions
- I. Wartmann, J.  
II. Deuel, H.

148722

Office of Technical Services

Agency: FBI  
Date Rec'd: 11-11-02, 4

R-10165-D  
4 March 1969

Title: Charakterisierung einfacher ungesättigter  
Steroide durch ihr Absorptionspektrum  
im kurzwelligen Ultraviolet.

Author: Seeh, K., Etzler, G. and Schenck, H.  
Source: Helvetica chimica Acta 42:14, 1962,  
1959

Language: German

23pp

Special Instructions: Please translate and type  
1 copy

62-10005

I. Bosshard, H. H.  
II. Mory, R.

Boashard, H. H., Mory, R. and others.  
A METHOD FOR THE CATALYZED PRODUCTION OF  
CHLORIDES OF CARBOXYLIC ACID AND SULFONIC  
ACID WITH THIONYL CHLORIDE. [1961] 6p. (formu-  
lae figs. omitted) 13 refs.  
Order from SLA \$1.10

62-10005

Trans. of Helvetica Chimica Acta (Switzerland) 1959,  
v. 42, p. 1653-1657.

DESCRIPTORS: \*Carboxylic acids, \*Sulfonic acids,  
Acids, Sulfonyl compounds, \*Chlorides, Production,  
Catalysts, Catalysis, Formamides, Methyl radicals,  
Amides, Naphthalenes.

(Chemistry--Physical, TT, v. 7, no. 9)

Office of Technical Services

Isolation of 24-Methylenecholesterol from Queens  
and Workers of the Honeybee Apis mellifical, by O.  
Schindler, M. Barbier.  
GERMAN, per Helv Chim Acta, No 42, 1959, pp 1998-2005  
CSIRO/No 7981

Sci -  
Sep 67

340,200

Macro determination and Microdetermination of Cobalt Traces III. Spectrophotometric Determination Using Nitroso-R-Salt (Sodium-Nitroso-1-Naphtol-2-Disulphonate-3,6), by W. Haerdi.

GERMAN, per, Helvetica Chimica Acta, Vol XLII, No 7, 1959, pp 2334-2342.

CSIRO 5470

Sci - Chem  
Aug 62

211, 176

The Melting-Point Curves of Nitrogen to 250 ATM  
and Nitric Oxide to 75 ATM, by K. Clusius,  
U. Piesbergen, et al.  
GERMAN, per, Helvetica Chimica Acta,  
Vol XLII, No 7, 1959, pp 2356-2364.  
NASA TT F-8596

Sci - Chem

May 64

U.S. GOVERNMENT ONLY

258,678

On the Synthesis of N-t-butyloxycarbonyl-amino Acids, by R. Schwyzer.  
GERMAN, per, Helv Chim Acta, Vol 42, No 7,  
1959, pp 2622-2624.  
GOVERNMENT USE ONLY  
NASA TT F-12,183

Sci-Chem  
Aug 69

388,719

Gas Chromatographic Characterization of Organic Compounds. Part 3: Calculation of Retention Indices of Aliphatic, Alicyclic, and Aromatic Compounds, by A. Wehrli, E. Kovats, 29 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol 42, No 7, No 292, 1959, pp 2709-2736.  
ARM/RSIC-Tr-976-70

Sci/Chem  
Jul 70

<p>Neukom, H., Deuel, H. and others. CHROMATOGRAPHIC FRACTIONATION OF POLY-SACCHARIDES WITH CELLULOSE ANION EX-CHANGERS (Chromatographische Fraktionierung von Polysacchariden an Cellulose-Anionenaustauschern) tr. by D. A. Sinclair. 1960, 14p. 27 refs. Technical trans. 910. Order from NRCC \$1.00 SLA #110 GPF 63-20269 Trans. of Helv[etica] Chim[ica] Acta (Switzerland) 1960, v. 43, no. 1, p. 64-71.</p> <p>NIH 8-20-63 151485</p> <p>(Chemistry--Organic, TT, v. 5, no. 8)</p>	<p>61-12618 .</p> <p>1. Saccharide polymers-- Fractionation 2. Chromatographic analysis-- Applications 3. Cellulose--Exchange reactions 4. Title: DEAB I. Neukom, H. II. Deuel, H. III. NRCC TT-910 IV. NRCC C-3490 V. National Research Council of Canada</p> <p>Office of Technical Services</p>
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The Structure of a Vitamin K<sub>2</sub>-Compound From Tuberle  
Vacilli and the Synthesis of Higher Isoprenologues  
of the Vitamin K<sub>2</sub> Series, by H. Hall, R. Ruagg,  
U. Gloor, 13 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIII,  
No 1, 1960, pp 433-438.

MM 3-4-61

Sci - Med  
May 61

150,580

The Quantitative Conversion of Chemical to  
Mechanical Energy by Homogeneous Contractile  
Systems, by W. Kuh, G. Ebner, et al, Z 3 pp.

GERMAN, per, Helv Chim Acta, Vol XXXIII,  
No 2, 1960, pp 502-517.

SLA 60-18064

196, 864

Sci  
May 62

Vol 4, No 10

Biosynthesis of Aldosterone: Isolation of a C<sub>20</sub>  
Lectone From Hog Adrenals, by R. Meier, A. Wettstein,  
12 pp.

GERMAN, per, Helvet Chim Acta, Vol. XLIII, 1960,  
pp 623-628.

SLA 60-16640

Sci

190, 031

Mar 62

Vol. IV, No 6

Spectropolarimetry, II Sensitivity of Photoelectric  
Polarimeters, by Th. Burer and Ms. H. Gunthard,  
GERMANY, per. Helveticia Chim. Acta, Vol 43, 1960,  
pp 810-824.  
NLL Ref: 5828.4F (13470)

E&I/Chem  
May 70

Peptide Structure Elucidation by the Use of  
Phenyl Isothiocyanato - [S35], by Emile Chabaudien,  
9 pp.  
~~1960~~, par, Salvantes Chimica Acta, Vol XXXII,  
No 118, 1960, pp 895-900.

CSIR Ref No 260

Ref. - Chem

Mrs. S.

334, 326

Separation and Concentration Course of the Oxygen Isotopes O<sup>16</sup>, O<sup>17</sup>, and O<sup>18</sup> in the Distillation of Water in a Precision Distillation Apparatus, by M. Thurkauf, A. Marten, Werner Kuhn, 49 pp.

GERMAN, per, Helv Chim Acta, Vol XLIII, 1960,  
pp 889-1004.

AEC Tr-4297

Sci - Chem  
21 Feb 61

140,922

Geochemistry. VII. Treatment Plant for Tritium in  
Natural Water, by E. Schumacher, 32 pp.

GERMAN, per, Helv Chim Acta, Vol XLIII, 1960,  
pp 1019-1032.

AEC MP-Tr-607

Sci  
Sep 61

166, 196

CEA-A-1406  
Reverse Translation - French  
9218383

<p>Signer, R. and Studer, M. THE SEPARATION OF A MIXTURE OF CRUDE THEVETIN INTO ITS COMPONENTS, CERBEROSIDE AND THEVETIN A, BY MEANS OF A NEW APPARA- TUS FOR MULTISTAGE PARTITION BETWEEN TWO LIQUID PHASES. [1963] Sp. Order from ATS \$7.50</p> <p>ATS-10Q68G</p> <p>Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) 1960, v. 43, p. 1427-1431.</p> <p>DESCRIPTORS: *Drugs, Laboratory equipment, *Material separation, Liquids.</p> <p>(Chemistry, TT, v. 10, no. 2)</p>	<p>63-17322</p> <p>I. Title: Cerberoside II. Title: Thevetin I. Signer, R. II. Studer, M. III. ATS-10Q68G IV. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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Ruegg, R.; Gloor, U. and others.  
THE TOTAL SYNTHESIS OF SOLANESOL. Jan 61,  
11p.  
Order from K-H \$13.75                    K-H 10607-d  
Trans. of Helvetica Chimica Acta (Switzerland) 1960,  
v. 43, no. 214/215, p. 1745-1751.

DESCRIPTORS: \*Synthesis, \*Alkaloids.

62-17610

I . Ruegg, R.  
II . Gloor, U.  
III . K-H-10607-d  
IV . Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Organic, TT, v. 8, no. 4)

Office of Technical Services

<p>Pares, J. and Langer, M. NOTE CONCERNING 5-(O-METHOXYPHENOXY-METHYL)-2-OXAZOLIDONE OR MEPHENOXALONE. [1961] 3p. 7 refs. Order from SLA \$1.10</p> <p>Trans. of Helvetica Chimica Acta (Switzerland) 1960, v. 43, p. 1862-1863.</p> <p>DESCRIPTORS: Drugs, *Oxazolidones, Methyl radicals, Alkaxy radicals, Phenoxy radicals, Azoles, Ethyl radicals, Urethanes, Urea.</p> <p>The synthesis of 5-(o-methoxyphenoxymethyl)-2-oxazo- lidone (mephenoxalone) by condensation of 3-(o-meth- oxyphenoxy)-1,2-propanediol with ethyl chlorocar- bonate, followed by cyclization, is described. (Author)</p> <p>(Biological Sciences--Pharmacology, TT, v. 8, no. 10)</p>	<p>62-10051</p> <p>I. Pares, J. II. Langer, M.</p> <p>62-10051</p> <p>Office of Technical Services</p> 
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Study of Peptide Structures (By Means of the  
Phenylisothiocyanate II). On the Usage of the  
Absorbtion Microchromatography Regarding Thin  
Layers of Phenylthiohydantoins, by E. Cherbuliez.  
GERMAN, per, Helvetica Chimica Acta, Vol 43,  
No 229, 1960, pp 1871-1873.  
NASA TT F-11,425

Sci/Chem  
Mar 68

Bickel, H., Hall, G. E., Keller-Schierlein, W.,  
Prelog, V., and Vischer, E.  
METABOLIC PRODUCTS OF ACTINOMYCETES.  
REPT. 27. CONSTITUTION OF FERRIOXAMINE B  
(Stoffwechselprodukte von Actinomyceten. 27.  
Mitteilung. Über die Konstitution von Ferricoxamin B).  
12p 21refs.  
Order from SLA \$1.60

TT-64-16857

Trans. of Helv[etica] Chim[ica] Acta (Switzerland) 1960,  
v. 43 [no. 7] p. 2129-2138.

TT-64-16857

I. Bickel, H.  
II. Hall, G. E.  
III. Keller-Schierlein, W.  
IV. Prelog, V.  
V. Vischer, E.  
VI. Title: Constitution ...

(Biological Sciences--Biochemistry, TT, v. 12, no. 5)

Office of Technical Services

Thin-Layer Ionophoresis and Thin-Layer  
Ionophoresis-Chromatography, by C. G. Honegger,  
9 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XLIV,  
1961, pp 173-179. 9222681  
AEC-SC-T-64-49

Sci-Chem  
Jul 64

261,006

Influence of the Light Absorption of Organic Dyes  
by External Electric Fields. I. Theoretical  
Aspects, by H. Labhart.  
GEIGER, per, Helv. Chim. Acta, Vol 44, No 2, 1961,  
pp 447-456.  
REF ID: A6-66

Sci/BQM  
Nov 66

314,266

Influence of the Light Absorption of Organic Dyes  
by External Electric Fields. II. Experimental  
Investigations on Polycenes, by R. Labhart.  
GENAW, per, Helv. Chim. Acta, Vol 44, No 2,  
1961, pp 457-460.  
NEW NBI 9-12-66

Sci/B61  
Nov 66

314,270

Synthetic Analogues of Hypertension. I. Introduction.  
by R. Schwyzer, 9 pp.

GERMAN, per, Helv Chim Acta, Vol XI.IV, 1961,  
pp 667-674.

NIH 11-35-61

179,342

Sci - Med

Jan 62

Determination of the Solubility of Iron (III)-  
hydroxides With  $^{59}\text{Fe}$ . Part 1., by H. Lengweiler.  
GERMAN, per, Helvetica Chemica Acta, Vol 44,  
No 3, 1961, pp 796-811.  
CSIRO/No. 6299

Sci -  
Aug 67

335,174

Determination of the Solubility of Iron (III)  
Hydroxides with  $^{59}\text{Fe}$  (II). The State of Very  
Small Amounts of Iron (III) Hydroxide in  
Aqueous Solution, by H. Lengweiler.  
GERMAN, per, Helv Chim Acta, Vol 44, 1961,  
pp 805-811.  
CSIRO/9619

July 69

385-154

62-20442

Kündig, W., Neukom, H., and Deuel, H.  
[INVESTIGATIONS] OF [GRAIN] MUCINS. I. CHRO-  
MATOGRAPHIC FRACTIONATION OF WATER  
SOLUBLE WHEAT FLOUR PENTOSANS WITH  
DIETHYL-AMINOETHYL-CELLULOSE. [1962] [7]p.  
(refs. omitted).

Order from SLA \$1.10

62-20442

Trans. of Helv[etica] Chim[ica] Acta (Switzerland) 1961,  
v. 44, no. 3, p. 823-829.

DESCRIPTORS: Cereals, \*Mucin, \*Wheat, Gels,  
Fractionation, Chromatographic analysis, Cellulose,  
\*Pentoses, Ethyl radicals, Amines, \*Polysaccharides.

The water soluble non-starchy polysaccharides of a  
wheat flour (Manitoba II) have been fractionated on a  
DEAE-cellulose column. Five completely separated  
fractions were obtained. Fraction I was a pure arabin-  
(Chemistry--Organic, TT, v. 10, no. 1) (over)

I. Kündig, W.  
II. Neukom, H.  
III. Deuel, H.  
IV. Title: Chromatographic...

Office of Technical Services

Difficulty Soluble Potassium and Sodium Decavanadates,  
A New Precipitant for Sodium, by G. Schwarzenbach,  
G. Geier, 7 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIV,  
No 3, 1961, p 359. 9093719

AEC Tr-4819

Sci . Chem  
Dec 61

177, 419

Kundig, W., Neukom, H., and Deuel, H. INVESTIGATION OF GRAIN MUCINS. II. THE GELLING OF AQUEOUS SOLUTIONS OF WHEAT FLOUR PENTOSANS BY OXIDIZING AGENTS. [1961] 6p. (5 figs, omitted) 27 refs. Order from SLA \$1.10	62-10258	I. Kundig, W. II. Neukom, H. III. Deuel, H. IV. Title: Gelling . . .
Trans. of Helv[etical] Chim[ica] Acta (Switzerland) 1961, v. 44, no. 4, p. 969-976.		

DESCRIPTORS: \*Cereals, Wheat, \*Gels, Xylose,  
\*Oxidation, \*Chromatographic analysis, Fractionation,  
Cellulose.

Aqueous extracts of wheat flour are known to gel readily in the presence of small amounts of oxidizing agents. It is shown by chromatographic fractionation on DEAE-cellulose that the glycoproteins present in aqueous flour extracts are responsible for the gelation. The UV-spectra of the glycoproteins show an absorption (Chemistry -Organic, TT, v. 8, no. 3) (over)

Office of Technical Services

Escarfall, J. P. and Simon, W.  
THE PROGRAMMED CALCULATION OF TITRATION  
CURVES. Pt. 1. of Acid-Base Equilibria. [1961] 9p.  
Order from ATS \$10.00  
ATS-71N54G  
Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
1961, v. 44, p. 977-985.

DESCRIPTORS: \*Acid-base equilibrium, \*Titration,  
Programming.

61-25653

- I. Escarfall, J. P.
- II. Simon, W.
- III. ATS-71N54G
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.
- V. Title: Acid-Base...

188715  
Office of Technical Services

Thermal and Optical Study of the Vapour of  
Nickel Oxochloride ( $\text{NiOCl}_3$ )<sup>1</sup>, by M. Gloor,  
K. Wieland, 32 pp.

GERMAN, per, Helvetica Chemica Acta, Vol 44,  
1961, pp 1098-1120. P911193257

AEC IS Tr-57

327,888

Sci - Nuclear Science  
Jun 67

Stamm, O. A., Zollinger, Hch. and others.  
THE NATURE OF THE BOND BETWEEN REACTIVE  
DYES AND CELLULOSE (Die Bindung Zwischen  
Reaktivfarbstoff und Cellulose) tr. by H. A. G.  
Nathan. 1962. Sp. 13 refs. NRCC Technical trans.  
1023.  
Order from NRCC 50.50

NRCC C-3976

Trans. of Helvetica Chimica Acta (Switzerland) 1961,  
v. 44, no. 4, p. 1123-1125.

DESCRIPTORS: Textiles, \*Cellulose, \*Dyes, Chemical  
bonds, Deterioration, \*Microorganisms, Glucose,  
Hydrolysis.

62-22905

- I. Stamm, O. A.
- II. Zollinger, H.
- III. NRCC TT-1023
- IV. NRCC C-3976
- V. National Research Council  
of Canada

(Materials--Textiles, TT, v. 8, no. 8)

Office of Technical Services

Bernauer, Klaus and Fallab, S.  
PHTHALOCYANINE IN AQUEOUS SOLUTION, [PT.] I.  
[1962] 11p. 17 refs.  
Order from SLA \$1.60

62-18725

Trans. of Helvetica Chimica Acta (Switzerland) 1961,  
v. 44, no. 5, p. 1287-1292.

DESCRIPTORS: \*Complex compounds, \*Phthalocyanines,  
\*Sulfonates, Zinc compounds, Cobalt compounds,  
Copper compounds, Spectrographic analysis.

The behavior of metal free phthalocyanine-tetrasulfonate and some metal derivatives in aqueous solution has been investigated. It was found that most of these compounds dimerize in diluted aqueous solution. The stabilities of these dimers have been determined by spectrophotometric measurements.

(Chemistry--Organic, TT, v. 9, no. 12)

62-18725

I. Bernauer, K.  
II. Fallab, S.

Office of Technical Services

Radiation Chemistry of Hydrocarbons, 2nd. Communication.  
(1) Benzene-Cyclohexane, by Tino Guemann, 19 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIV,  
1961, pp 1337-1349. 9099881

AEC NP Tr-858

Sci - Chem  
May 62

196,779

Proton-Resonance Spectroscopy and Steroid Structure,  
the C-19 Methyl Signal as a Function of the Substituents,  
by R. Zurcher.  
GERMAN, per, Helvetica Chimica Acta, No 171, 1961,  
pp 95,1380  
CSIRO/No 7103

Sci -  
Jul 67

334,513

A Contribution on the Theory of Paper and  
Thin-Layer Chromatography, by M. Brenner,  
G. Pataki. FOR GOVERNMENT USE ONLY  
GERMAN, per, Helvetica Chimica Acta, Vol XLIV,  
No 5, 1961, pp 1420-1425. 9696440  
DDC RSIC-345

Sci - Phys  
Apr 65

278,253

Anliker, R., Beringer, E. and others.  
SYNTHESIS OF PHOSPHAMIDON AND ITS DECOMPOSITION IN PLANTS. Jan 64, 7510words  
Order from LSA \$68.00

Trans. of Helvetica Chimica Acta (Switzerland) 1961,  
v. 44, no. 6, p. 1622-1645.

DESCRIPTORS: \*Plants (Botany) \*Photosynthesis,  
Decomposition, Phosphorus compounds, \*Plant  
pigments

(Biological Sciences--Botany, TT, v. 11, no. 11)

TT-64-12325

- I. Title: Phosphamidon
- II. Anliker, R.
- III. Beringer, E.
- III. Literature Service  
Associates, Bound  
Brook, N. J.

G6/37

Office of Technical Services

On Electrophoretic Ion Focussing<sup>1</sup> &<sup>2</sup> The  
Analysis of Rare Earth Mixtures, by  
Walter Friedli, Ernst Schurracher, 44 pp.

GERMAN, per, Helvetica Chimica Acta,  
Vol. XLIV, 1961, pp 1829-1856. 9993597

9066964

ABC UCRL-Tr 851

Scl - Pays  
Oct 62

212,678

General Method for the Rapid Determination of  
Tritium, Radiocarbon and Radio-Sulphur in  
Organic Materials by Means of the Liquid  
Scintillation Method, by F. Kalberer, J.  
Rutschmann.

GERMAN, per, Helv Chim Acta, No 44, 1961,  
pp 65-1956  
NZDIA

Sci -  
Jul 67            334,248

Detection of Methaminodiazepoxide (Librium) and its Metabolites, by J. Baumer, S. Rippstein.  
GERMAN, per, Helvetica Chimica Acta, Vol. 44, 1961,  
pp 2208-2210.

NZDIA

Sci -  
July 1967

334-027

Synthesis Tests in the Emetine Series, by ~~Z~~A. Brossi,  
O. Schnider, IX19 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XLV,  
1962, pp 1899-1907.  
Patent Office

Sci - Chem  
Sept 64

267,054

A Rapid Method for Determining Tritium, Radiocarbon  
and Radiosulphur in Any Organic Sample Material  
by Means of Liquid Scintillation Counting, by  
F. Halberer, J. Rutschmann, 17 pp.

GERMAN, per, Helvetica Chimica Acta,  
Vol XLIV, No 7, 1961, pp 1936.  
1966.

Sci - Chem  
Sep 62

AFRE, Harwell  
Tr-1684

AFRE-Harwell  
Tr-914 211,529  
(9210740)  
NZD/A

Kalberer, F. and Rutschmann, J.  
A RAPID METHOD FOR THE DETERMINATION OF  
 $H^3$ ,  $C^{14}$  and  $S^{35}$  IN ANY ORGANIC SAMPLE  
MATERIAL BY LIQUID SCINTILLATION COUNTING.  
[1962] 7p. (fig. tables refs. omitted).  
Order from SLA \$1.10

63-10879

Trans. of Helvetica Chimica Acta (Switzerland) 1961,  
v. 44, no. 7, p. 1956-1966.

DESCRIPTORS: \*Radioactivity, Beta particles, Labeled  
substances, Hydrogen, Carbon, Sulfur, \*Radioactive  
isotopes, Determination, Combustion, Absorption,  
Safety, Biochemistry, Liquids, \*Scintillation counters,  
\*Organic materials.

(Nuclear Physics and Nuclear Chemistry, TT, v. 10,  
no. 1)

63-10879

I. Kalberer, F.  
II. Rutschmann, J.

Approved and recommended  
(H.P.S.)

Office of Technical Services

Radiation Chemistry of the Hydrocarbons, Part 4:  
Toluene, by Jurg Hoigne, Tino Gaumann, 13 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIV, No 7,  
1961, pp 2141-2150. 9093455

ARC SCL-T-410

Sci - Chem  
May 62

196,760

Results of Low-Temperature Research XXXV. Simultaneous Enrichment of N<sup>15</sup>, O<sup>17</sup>, and O<sup>18</sup>, by Rectification of Nitric Oxide, by K. Clusius, K. Schleich, M. Vecchi, 37 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XLIV, No 42, 43, 1961, pp 343-361. 9077336

AEC Tr-4567

Sci - Chem  
Jul 61

157, 451

Proton Resonance Spectroscopy and Steroid  
Structure. The C-19-Methyl Signal as a Function  
of the Substituents, by R. F. Zurcher.

GERMAN, per, Helvetica Chimica Acta,  
Vol XLIX, 1961.

NZDIA

Sci  
Dec 62

Feitknecht, W. and Michaelis, W.  
HYDROLYSIS OF IRON. III. PERCHLORATE SOLU-  
TIONS. [1963] 25p. 12 refs.  
Order from SLA \$2.60

63-18780

Trans. of *Helvetica Chimica Acta* (Switzerland) 1962,  
v. 45 [no. 1] p. 212-224.

DESCRIPTORS: \*Iron compounds, Hydroxides, \*Hy-  
drolysis, \*Perchlorates, Solutions, Chemical precipi-  
tation, Colloids, \*Crystallization

An investigation was made of the reaction products  
formed when  $\text{Fe}(\text{H}_2\text{O})_6^{3+}$  is deprotonated in perchlorate  
solutions. When a small amount of base is added,  
metastable solutions containing the ions  $\text{Fe}(\text{H}_2\text{O})_5^+$ ,  
 $\text{Fe}(\text{H}_2\text{O})_5\text{OH}^{2+}$ ,  $\text{Fe}_2(\text{H}_2\text{O})_8(\text{OH})^{4+}$  and  $\text{Fe}(\text{H}_2\text{O})_4(\text{OH})^+$   
are formed, and  $\alpha$ - $\text{FeOOH}$  slowly crystallizes out. In a  
narrow intermediate range immediately after adding  
(Chemistry--Inorganic, TT, v. 10, no. 11) (over)

63-18780

I. Feitknecht, W.  
II. Michaelis, W.  
III. Title: Perchlorate...

Office of Technical Services

Dahn, H. and Fuchs, H.  
A PREPARATIVE ANALOG FOR SEPARATION IN  
THIN LAYERS: HORIZONTAL COLUMN CHROMA-  
TOGRAPHY IN A CELLOPHANE TUBE. (Ein  
Präparative Analogen zur Trennung und Dünnen  
Schichten; Horizontale Säulenchromatographie).  
[1962] [18]p. 24 refs.

Order from SLA \$1.60

63-10336

Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
[1962] v. 45, no. 2, p. 261-270.

DESCRIPTORS: Separation, \*Chromatographic  
analysis, Plastic films, Pipes, Adsorbents, Thin films.

(Chemistry--Analytical, TT, v. 10, no. 1)

63-10536

I. Dahn, H.  
II. Fuchs, H.  
III. Title: Horizontal ...

Office of Technical Services

63-10399

Sommer, P. F., Sauter, W. and others.  
A SELF-INTEGRATING METHOD FOR THE RAPID DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC COMPOUNDS ON MILLIGRAM AND SUB-MILLIGRAM SAMPLES USING CATHAROMETERS (PRELIMINARY REPORT) (Selbstintegrierende Methode zur Raschen Bestimmung von Kohlenstoff und Wasserstoff in Organischen Verbindungen an Milligramm- und Submilligramm- Mengen unter Verwendung von Katharometern). [1962] 7p. (figs. omitted) 25 refs. Order from SLA \$1.10 63-10399

*Chimica*  
Trans. of Helv[etical] Acta (Switzerland) 1962, [v. 45]  
no. 2, p. 595-600.

DESCRIPTORS: \*Quantitative analysis, \*Carbon, \*Hydrogen, Organic compounds, Microanalysis, Thermal conductivity, Combustion.

(Chemistry--Analytical, TT, v. 10, no. 2) (over)

Office of Technical Services

Demole, E., Lederer, E., and Mercier, D.  
ISOLATION AND DETERMINATION OF THE  
STRUCTURE OF METHYL JASMONATE, ODORIF-  
EROUS CONSTITUANT CHARACTERISTICS OF  
JASMINE OIL. [1962] 12p. 38 refs.  
Order from SLA \$1.60

62-18062

Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
1962, v. 45, p. 675-685.

DESCRIPTORS: \*Odors, \*Oils, Chemical analysis,  
Plants.

A new odoriferous component, for which we propose the  
name "Methyl jasmonate", has been isolated from jas-  
mine oil (*Jasminum grandiflorum* L.). This compound is  
shown to be (-)-methyl cis-2-pent-2'-enyl-3-oxo-  
cyclopentylacetate. (Author)

(Chemistry--Analytic., TT, v. 8, no. 10)

62-18062

1. Title: Jasmine oil
- I. Demole, E.
- II. Lederer, E.
- III. Mercier, D.

Office of Technical Services

<p>Demole, E., Lederer, E., and Mercier, D. SYNTHESIS OF METHYL DIHYDROJASMONATE (METHYL 2-PENTYL-3-OXO-CYCLOPENTYLACETATE). [1962] 10p. 8 refs. Order from SLA \$1.10</p> <p>62-20120</p> <p>Trans. of Helv[etica] Chim[ica] Acta (Switzerland) 1962, v. 45, no. 2, p. 685-692.</p> <p>DESCRIPTORS: *Methyl radicals, *Pentyl radicals, *Acetates, Synthesis, Molecular structure.</p> <p>(Chemistry--Organic, TT, v. 10, no. 1)</p>	<p>62-20120</p> <p>I. Demole, E. II. Lederer, E. III. Mercier, D.</p> <p>Office of Technical Services</p>
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